BRUHATH BENGALORE MAHANAGARA PALIKE YALAHANKA ZONE

Name of Work :Improvements of Rcc Drains and CC Roads to Main Roads at Basavalingappa Layout and Surrounding areas in Ward No.03

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Civil Work								
1	KSRRB 300-3. **Earthwork excavation by manual means** for roads, drains & similar works in ordinary soil invoiving , excavated surface leveled & sides neatly dressed , the disposed earth to be levelled neatly after breaking of clods complete as per specification MORTH/ Chapter 3. Page No. 142/ Item No. 19.1/ PWD SR 2018-19								
	Basavalingappa Layout								
	For CC drain								
	1st Main Road	2	115.00	1.10	1.00	253.00			
		2	200.00	1.10	1.00	440.00			
	2nd Main Road	2	77.00	1.10	1.00	169.40			
		2	108.00	1.10	1.00	237.60			
	3rd Main Road	2	43.00	1.10	1.00	94.60			
	For CC Road								
	Cutting Portion								
	1st Main Road	2	200.00	1.30	0.30	156.00			
	2nd Main Road	2	77.00	1.20	0.30	55.44			
						1406.04	**Cum**	**220.40**	**309891.22**
2	Removing And Refixing stone slabs of drains and pointing in C.M (1:3) (Page No.27/ Item No.5.33/ PWD SR 2018-19)								
	Basavalingappa Layout								
	Covering RCC Slab								
	1st Main Road	1	115.00	0.90		103.50			
		2	200.00	0.90		360.00			
	2nd Main Road	2	77.00	0.90		138.60			
				Sub Total		**602.10**			
		Consider 25% of missing slabs				**147.00**			
						455.10	**Sqm**	**111.30**	**50652.63**
3	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For CC drain								
	Basavalingappa Layout								
	1st Main Road	2	115.00	1.10	0.15	37.95			
		2	200.00	1.10	0.15	66.00			
	2nd Main Road	2	77.00	1.10	0.15	25.41			
		2	108.00	1.10	0.15	35.64			
	3rd Main Road	2	43.00	1.10	0.15	14.19			

l No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	For CC Road								
	Cutting Portion								
	1st Main Road	2	200.00	1.30	0.15	78.00			
	2nd Main Road	2	77.00	1.20	0.15	27.72			
						284.91	**Cum**	**5421.90**	**1544753.53**
4	Providing and laying plain/reinforced cement concrete for side drains **using M20 nominal mix** concrete with OPC at 300 kgs. with 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compacted for walls and bottom including centering, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specificationsdo- Wall & bottom thickness 15cm (I No-37.59.2,P No-271)								
	Basavalingappa Layout								
	For CC drain Raft								
	1st Main Road	2	115.00	0.90	0.15	31.05			
		2	200.00	0.90	0.15	54.00			
	2nd Main Road	2	77.00	0.90	0.15	20.79			
		2	108.00	0.90	0.15	29.16			
	3rd Main Road	2	43.00	0.90	0.15	11.61			
	For CC drain Wall								
	1st Main Road	4	115.00	0.15	0.75	51.75			
		4	200.00	0.15	0.75	90.00			
	2nd Main Road	4	77.00	0.15	0.75	34.65			
		4	108.00	0.15	0.75	48.60			
	3rd Main Road	4	43.00	0.15	0.75	19.35			
						390.96	**Cum**	**7070.20**	**2764165.39**
5	KSRB 4.9.2 : **Providing T.M.T steel reinforcement** for R.C.C workincluding straightening, cutting, bending, hooking, placing in position,lapping and / or welding wherever required, tying with binding wire andanchoring to the adjoining members wherever necessary complete asper design (laps, hooks and wastage shall not be measured and paid)cost of materials, labour, HOM of machinery complete as perspecifications.Specification No. KBS 4.6.3(I No-4.46.2,P No-18)								
	Consider 65kg/Cum for drain	1	390.96	65.00		25412.40			
						25.41	**Tn**	**72326.98**	**1838002.15**
6	Providing and Fixing **pre cast covering Slab** made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery,loading,unloading,lead and lift,transportation etc ,copmplete. (Data Rate)								
	Basavalingappa Layout								
	New Precast Slab								
	1st Main Road	1	115.00	0.90		103.50			
	2nd Main Road	2	108.00	0.90		194.40			
	3rd Main Road	2	43.00	0.90		77.40			
			Missing Slabs			147.00			
						522.30	**Sqm**	**2337.00**	**1220615.10**

No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
7	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications.(P.No. 147, I.No. 19.64)								
	For CC Road								
	Cutting Portion								
	1st Main Road	2	200.00	1.20		480.00			
	2nd Main Road	2	77.00	1.20		184.80			
						664.80	Cum	6.36	4228.13
8	KSRRB M400- Wet Mix Macadam KSRRB M400-17. Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (Page No.155.tem No.20.18,PW,P & IWTD SR 2018-19)								
	For CC Road								
	Cutting Portion								
	1st Main Road	2	200.00	1.30	0.15	78.00			
	2nd Main Road	2	77.00	1.20	0.15	27.72			
						105.72	Cum	2001.28	211575.32
9	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum) (Page No. 175.tem No.22.6.1,PW,P & IWTD SR 2018-19)								
	For CC Road								
	Cutting Portion								
	1st Main Road	2	200.00	1.30	0.15	78.00			
	2nd Main Road	2	77.00	1.20	0.15	27.72			
						105.72	Cum	5210.96	550902.69
0	Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift.								
	For CC Road								
	Cutting Portion								
	1st Main Road	2	200.00	1.30		520.00			
	2nd Main Road	2	77.00	1.20		184.80			
						704.80	Sqm	72.08	50801.98
								Total Construction Cost	8545588.14
								GST Charges 12%	1025470.58
								KRIDL Charges 4%	341823.53
								Towords PMC cost 1%	85455.88
								Sub Total	9998338.12

No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Utility Shifting,Miscellaneous and Rounding off								1661.88
								GRAND TOTAL	10000000.0

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes withIn the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-19. and Data Rates

Assistant Engineer
Ward No.3

Asst. Executive Engineer,
Yelahanka Satellite town Sub division,
Bangalore-64

Executive Engineer,
Yelahanka Division
Bangalore-64

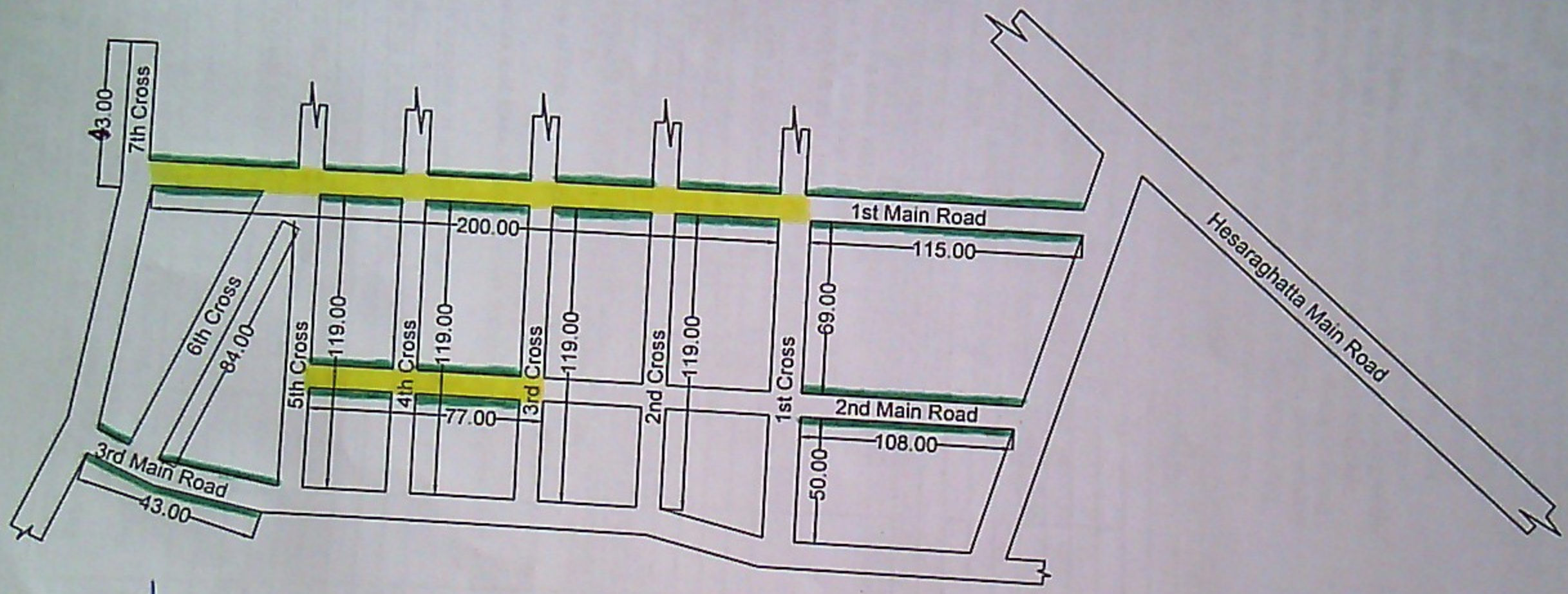
Administrative Sanction for Rs. ....100.00 Lakhs
.....one crore only.....
.....
is accorded under head ....P-1878 18 per....
.....world.....2018 -19 .....
.....
Registered as CE ... Subject
to conditions contained in our Circular
No.EE/YNK/AS/18/2019-20 ...19/10/2019

Executive Engineer

Technical Sanction
Accorded For Rs.100.00 lakhs only
Head of A/C P1878
CER NO :...90..... Dt:..23.10.2019

TA ICE (YNK).

Name of Work:- Improvements of RCC Drains and CC Roads to Main Roads at Basavalingappa Layout and Surrounding area in ward no.03



Assistant Engineer
Ward No.03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division

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RCC DRAIN

CC ROAD

ALL DIMENSIONS IN METERS